

AMENDMENTS TO THE CLAIMS

The following listing of claims will replace all prior versions and listings of claims in the application.

LISTING OF CLAIMS

1-2. (Cancelled)

3. (Currently Amended) An on-line dispersion compensation device for a wavelength division optical transmission system, comprising:

~~The device according to Claim 1, wherein the optical path selector is atwo 2*2 optical coupler~~, and

~~two chirped grating fiber units are, serially connected between the two optical couplers, respectively; which are used for selecting, reflecting and dispersion compensating at least one wavelength inputted and bypassing other wavelengths inputted;~~ wherein

~~one port~~ first ports of the two chirped grating fiber units is respectively connected with two arms of ~~one~~ a first port of the first optical coupler;

~~another port~~ second ports of the two chirped grating fiber units is respectively connected with two arms of ~~one~~ a first port of the second coupler;

~~one arm of another~~ a second port of the first coupler is connected with the optical signal input of the device;

one arm of another a second port of the second coupler is connected with the optical signal output of the device; and

another the other arm of another the second port of the first coupler is connected with another the other arm of another the second port of the second coupler.

4-9. (Cancelled)

10. (Original) The device according to Claim 3, wherein the chirped grating fiber unit is consisted of two opposite portions of chirped grating fibers written on a fiber segment.

11. (Original) The device according to Claim 3, wherein the chirped grating fiber unit is consisted of two chirped grating fibers set oppositely and melted together as a whole.

12. (Original) The device according to Claim 3, wherein bandwidth of the chirped grating fiber unit is one wavelength or multiple wavelengths or tunable wavelengths.